

ABSTRACT

The Salter Environmental Type Assessment (SETA) was designed to measure the "personalities" of behavioral environments and to work in conjunction with the Myers-Briggs Type Indicator®. The Form C revision of the SETA, which launched in 2012, involved increasing the number of scored items and moving the assessment to online administration. Initial results from environmetric studies of scores from Form C show that the SETA's measurement properties remain consistent with previous versions and support its overall utility.

PROBLEM

SETA Form C (2012) is the revised version of the SETA-B (2000). The changes include more scored items and online administration of the instrument. What is not clear is **whether these changes have** effected the environmetric properties (i.e., measurement issues related to environmental assessment) of the scores produced by the SETA-C.

PURPOSE

Because instrument design is a multi-stepped process, an initial screening of the new version is key to its later use in research. The purpose of this study was to conduct an initial examination of the environmetric **properties** of SETA-C before moving to online administration.

SETA Sc

Extraversion – Introversion (EI)

This dimension addresses the bipolar nature of the relative Thi obtrusiveness - the push/pull of psychic energy - in a behavioral div environment.

Thinking – Feeling (TF)

This judging functions aligns with the way that an environment maintains a reality, through either a logical/ empirical or a value-person oriented approach.

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Initial Environmetric Studies of the SETA-Form C Daniel W. Salter, Ph.D.

 Jungian and Personality Psychology Jung (1971). Psychological Types Murray (1938). Explorations in Personality Myers & Myers (1985). Gifts Differing Environmental-Interactional Psychology Levy-Leboyer (1992). Psychology and Environment Lewin (1936). Principles of Topological Psychology Magnusson & Allen (1983). Human Development Assessment & Measurement	What are the SETA-C (sco validity) in a Reanalyzed scales of SE years from 4 • Education • Living • Work	e basic environm ore reliability, item sample of adults? PROCED I all scored and te TA-B (<i>i:s</i> = 100) c behavioral doma	etric properties of the /scale analysis, factorial WRES est Items on the 4 collected over the past 10 ins ($p:s = 938$).	EI SN TF	 Phrase Questions 1. The atmosphere of this environment is typically (A) intimate. (B) sociable. 14. In this environment, which is a bigger priority? (A) prior commitments (B) new opportunities 15. The nature of this environment is (A) expression 	Word Pairs 21. (A) bright (B) subdued 30. (A) facts (B) Imagination
 Jung (1971). Psychological Types Murray (1938). Explorations in Personality Myers & Myers (1985). Gifts Differing Environmental-Interactional Psychology Levy-Leboyer (1992). Psychology and Environment Lewin (1936). Principles of Topological Psychology Magnusson & Allen (1983). Human Development Assessment & Measurement	SETA-C (sco validity) in a Reanalyzed scales of SE years from 4 • Education • Living • Work • Small Gro	ore reliability, item sample of adults? PROCED all scored and te TA-B (<i>i:s</i> = 100) of behavioral doma	/scale analysis, factorial URES est Items on the 4 collected over the past 10 ins (<i>p:s</i> = 938).	EI SN TF	 The atmosphere of this environment is typically (A) intimate. (B) sociable. In this environment, which is a bigger priority? (A) prior commitments (B) new opportunities The nature of this environment is (A) prior priority? 	21. (A) bright (B) subdued 30. (A) facts (B) Imagination
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 Lewin (1936). <i>Principles of Topological Psychology</i> Magnusson & Allen (1983). <i>Human Development</i> Assessment & Measurement	 scales of SE years from 4 Education Living Work Small Group 	ETA-B (<i>i:s</i> = 100) c behavioral doma	collected over the past 10 ins ($p:s = 938$).	TF	15. The nature of this environment is	
Assessment & Measurement	 Education Living Work Small Group]			(A) supportive. (B) impersonal.	47.(A) loyal (B) critical
	 Work Small Group 					$OO(\Lambda)$ we real a real
 Brennan (2001). Generalizability Theory Conyne & Clack (1981). Environmental Assessment and Design 		oup		JP	 4. This environment is characteristically (A) wild. (B) civilized. 	(B) stable
 Moos (1979). Evaluating Educational Environments 						
 Myers et al. (1998). MBTI Manual 	DATA ANALYSIS			LIMITATIONS		
 Environmental Type Theory Salter (2012). Environmental Types: The Personalities of Everyday Places (on iBookstore) 	Used an iterative item-scale assessment process to determine final set of items for SETA Form C (<i>i</i> : <i>s</i> = 76), which were examined with the specific analytical techniques that appear below.			 Environmetric Considerations Analyzing items-by-scale does not take into account the multi-dimensional measurement model. May not have had a sufficient diversity in the 		
Environmetric Studies of the SETA-B				e	nvironmental settings to test the r	neasurement
 Generalizability-Reliability (Salter, 2003) 	FINDINGS			 Model fully. No accounting of possible personality influences 		
 Factorial Validity (Salter & Vandiver, 2002) Concurrent Validity (Salter, 2002, 2012b; Salter & Junco, 2007; Salter, Junco, & Irvin, 2004; Salter & Irvin, 2003) 	A comparison of the same statistics on the new 76 item Form C with the 60 item Form B.			on responses was made.		
		Form C	Form B			
 Predictive Validity/Applied Studies (Allread & Marras, 2006; Karras, 1990; Persaud & Salter, 2003; Salter, 2000, 2003a, 2012a). 	Reliability Estimates (α)		CONCLUSION			
	EI SN TF	.86 .79 .86	.81 .71 .83	The on k	The 19 items-per-scale format was an improvem on basic environmetric aspects of the SETA Form	
	JP	.84	.71	S	OCIAL CHANGE IMPL	ICATIONS
ales	Range of C	orrected Item-Sc	ale Correlations (<i>r</i>)			
Sensing – Intuition (SN) his perceptive environmental function reflects a convergence/ vergence dichotomy - a focus on the elements in a setting or on the associations between elements.	EI SN TF JP	.3464 .2452 .3558 .3258	.1562 .1546 .2858 .0353	undergirds most professional areas that seek to improve the functioning of people. The SETA expan the usefulness of the MBTI®, one of most successf measures of the person, to allow increased insights		n framework hat seek to e SETA expands most successful eased insights
Judging – Perceiving (JP)	Range of Structure Coefficients (Factor Analysis)			into the "personalities" of everyday places in which		
This dimension addresses the interactive functions within an environment: construction of a recognizable repertoire of elements and maintenance of a predictable level of organization.	EI SN TF	.3970 .3264 .4167	.1774 .2066 .3569	and	and with which people interact. www.environmentaltypes.com	
	JP	.3968	.0470			



